

Abstract of the Disclosure

a ~~Management of a Network Element Using Managed
Objects in a Digital Communications Network~~

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Network elements of a digital communications network, for example of an SDH network (SDH = Synchronous Digital Hierarchy), are managed by controllers using managed objects. To permit fast access to managed objects, a simple circuit with a controller (FLT), a database (DB), and a temporary memory (MEM) is proposed. The controller carries out a method of managing the network element wherein in response to requests (RQ), the objects are stored into the memory and individual objects (MO*) are swapped out to make room for new data according to predeterminal criteria, which specify, for example, the maximum residence time of the object in the memory. At least these objects are transferred to the database (DB). Only upon reception of a request (RQ*) for access to an object (MO*) which is no longer in the memory (MEM) will this object (MO*) be read from the database and transferred back into the memory. The controller manages the network element in response to the requests by accessing the memory and using the objects stored therein.

(Fig. 1)